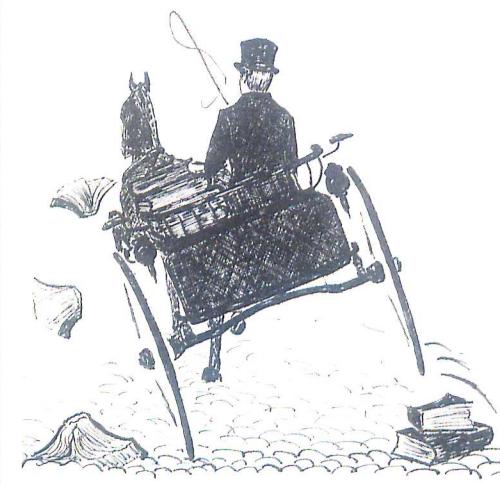


Stable Fittings.

MUSGRAVE & CO., LIMITED

Constructional
Ironwork, &c.

~ EX LIBRIS ~



THOMAS RYDER



MATTHEY COLLECTION

No. 187.

187

PLATE LIV.

PAIR HORSE SPORTING PHAETON.

AND CANT BOARD 1½ INCH SCALE.

Showing the method of framing the body, and the places for wirework. The bottomsides are framed into cross bars, and are made secure by plates fixed to the top of the hind and front bottomsides, and also made to run up the frames marked 1 and 2, and firmly fixed to the inside of the archpiece, thus making a very strong job. This is thought a very stylish turn-out when completed in good taste.

ENGLISH AND AMERICAN TASTE IN CARRIAGE BUILDING.

Our American friend, "The Editor of the *New York Coach-Maker's Magazine*," in his March number indulges in a little humour at our expense, the complexion of which we should not have exactly understood, but for two or three bitter sentences which show that his vanity has been wounded by the bare idea that anything can be equal to that which is produced on the other side of the Atlantic. Just premising that if he has found the standard of perfection in taste, we should have little chance in a contest with so powerful a champion, and the most arduous and anxious endeavours to contend against his literary ability and practical knowledge would only overwhelm us in deeper shame and defeat; we would say that if we must really believe on his word alone, we cannot dispute that American taste and design deserves to be the model for the admiring world; and would, therefore, shut up our shops, and set off on a voyage to the States, to "take sights" and "get wrinkles" that will enable us to revolutionise the antiquated fashions of the old country on our return; but we would in all fairness suggest to our brother editor that mere self laudation will never settle the merit of any question, and indeed such boasting with us is sure to prejudice the side on which it is used by causing a suspicion that it is a lame cause which requires such aid. In this country we never suppose for one moment that a question of taste could in the remotest degree be influenced by considerations of national vanity, or that the commendations of busy or fussy men are any proof of great achievements, and for this reason we are still content to plod on, improving and adapting to our purposes even "notions" from America if we can turn them to any advantage. In a cosmopolite spirit we pick them up, not caring from whence they come, being perfectly satisfied if they add to our convenience; carefully sifting out the chaff, we retain that only which is useful and beneficial; and if our American contemporaries would send us a well "screened" parcel entirely free from the light commodity, most heartily would we thank him. We don't lay claim solely to the possession of all that is good and beautiful—indeed there are many objects and institutions that are

considered by many exceedingly good and suitable that we would rather look at through a telescope than see with the naked eye at home—and we are not much put out, if for our taste we are laughed at while our critics are "taking their tea" or "waiting for the waggon;" we don't even mind for once on a time being made the big bogie of a Christmas "fixin;" but with us March would be three months after dark, and we can't have a December laugh so far backward, nor could we keep alive for nine months more such

PLATE LII.
IRONWORK

Fig. 1. A stay for the hind seat of a Gentleman's drag. *Fig. 2.* A body loop for the front end of a Park phaeton. *Fig. 3.* A step for a phaeton or brougham. *Fig. 4.* An open step with one tread and two branches. *Fig. 5.* A single step with straight stem and collar. *Fig. 6.* A step with split stem and collar. *Fig. 7.* A Stanhope step with one tread and collar. *Fig. 8.* A step with scroll iron attached suitable for a Demmet gig. *Fig. 9.* A fall-down step with single tread. *Fig. 10.* A step with double tread suitable for a Dog cart. *Fig. 11.* A step with double tread suitable for a Whitechapel cart. *Fig. 12.* A full-down step with one tread. *Fig. 13.* A fall-down step with one tread.

PLATE LIII.

SKELETON CAB PHAETON,

AND CANT BOARD 1½ INCH SCALE.

1st. Ascertain the extreme length of the body from 1 to 2, and lay it down on the cant board as shown from 3 to 4 on the east. 2nd. Determine on the amount of turnunder of the shandoor, as shown from 5 to 6.

3rd. The thickness of the bottomsides is shown at 7, and the rocker at 8.

4th. The back of the body and mode of framing is shown at 9.

Telegrams:

"MUSGRAVE, LIMITED, BELFAST."
"MUSGRAVE, LONDON."

Interior Views of Stables, Harness Rooms, &c.,

FITTED WITH

Musgrave's Patent Fittings.

Race Stands, Iron Buildings, &c.

OFFICES AND SHOWROOMS:

75, ANN STREET, BELFAST.
97, NEW BOND STREET, LONDON, W.
40, DEANSGATE, MANCHESTER.
GUILDHALL BUILDINGS, BIRMINGHAM.
240, RUE DE RIVOLI, PARIS.

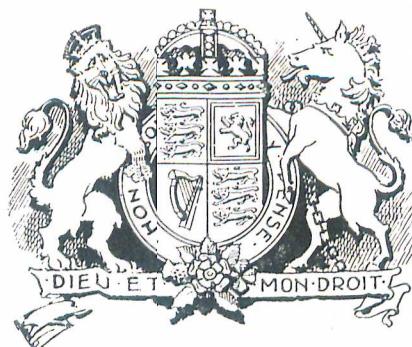
MUSGRAVE & CO., Limited,

ARCHITECTURAL IRONFOUNDERS,

Head Office and Manufactory:

{ ST. ANN'S IRONWORKS and
CROMAC FOUNDRY, } BELFAST.

By Appointment to



HIS MAJESTY KING EDWARD VII.

The Empress Frederick of Germany.

The Queen Regent of Spain.

The Khedive of Egypt.
The Duke of Coburg.

Honours and Medals Awarded.

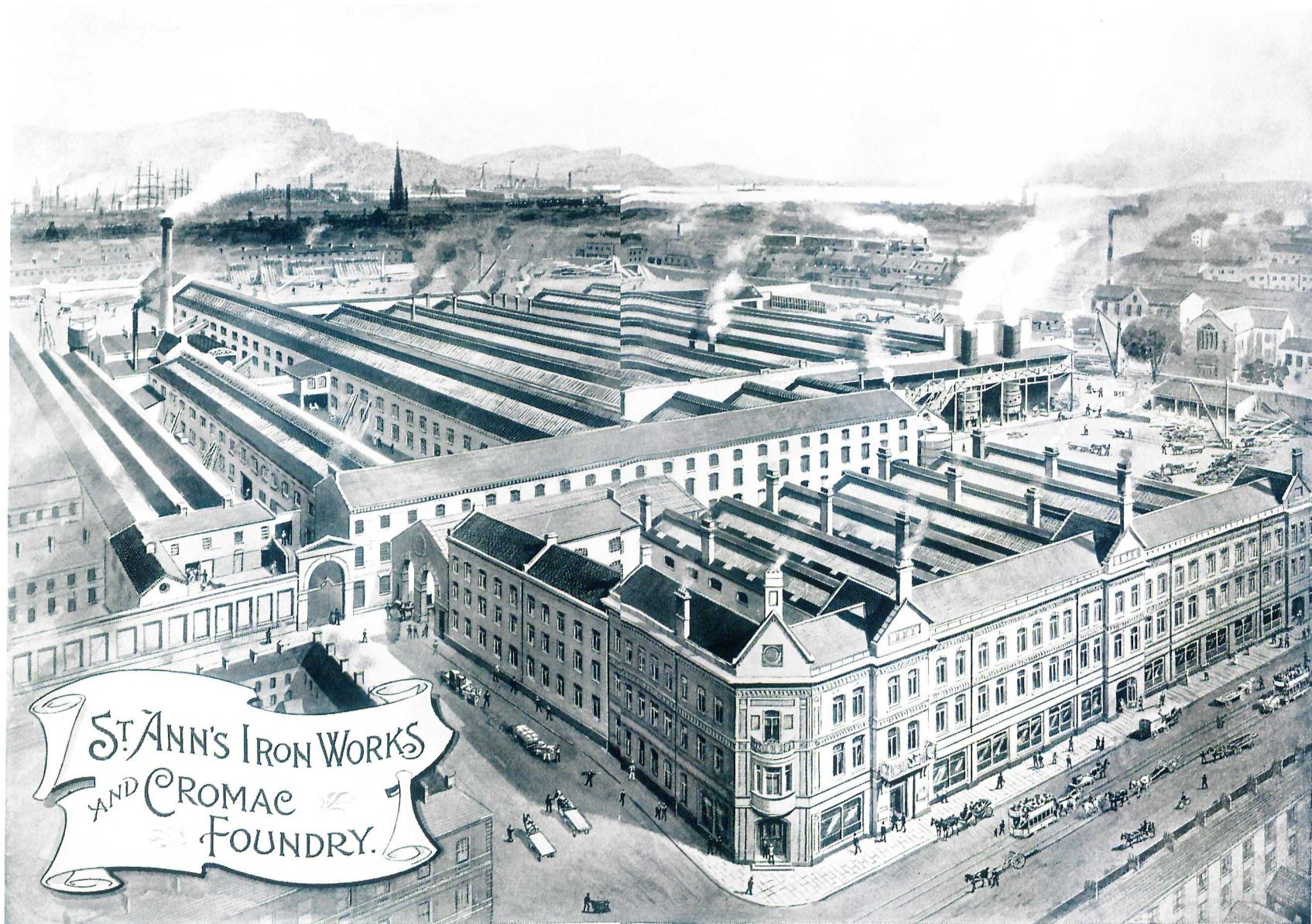
**2 GOLD MEDALS,
PARIS, 1900.**



Cross of Honour, Amsterdam, 1895.

LONDON	...	...	...	1862	BRUSSELS	...	...	...	1876
PARIS	...	...	...	1867	MELBOURNE	..	...	...	1880
PARIS	...	...	...	1878	ANTWERP	...	...	...	1885-6
PARIS	...	...	...	1889	ANTWERP	...	...	...	1894

AND MANY OTHERS.

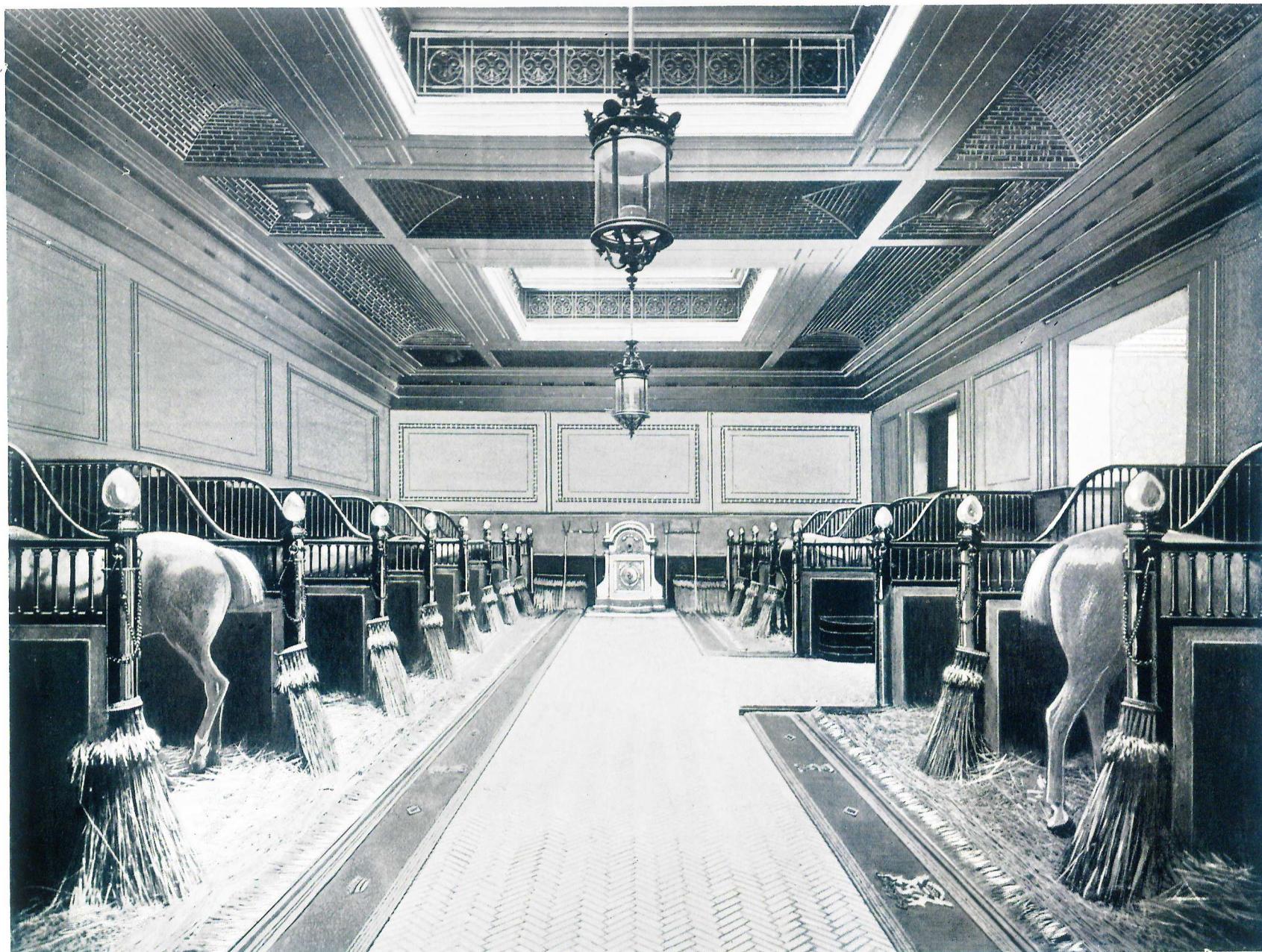


MUSGRAVE & CO., Limited.
WORKS AT BELFAST.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Stables of the late Baron Hirsch, PARIS.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Stables of Baron Zuylen de Nyeveld, PARIS.

Manchester.

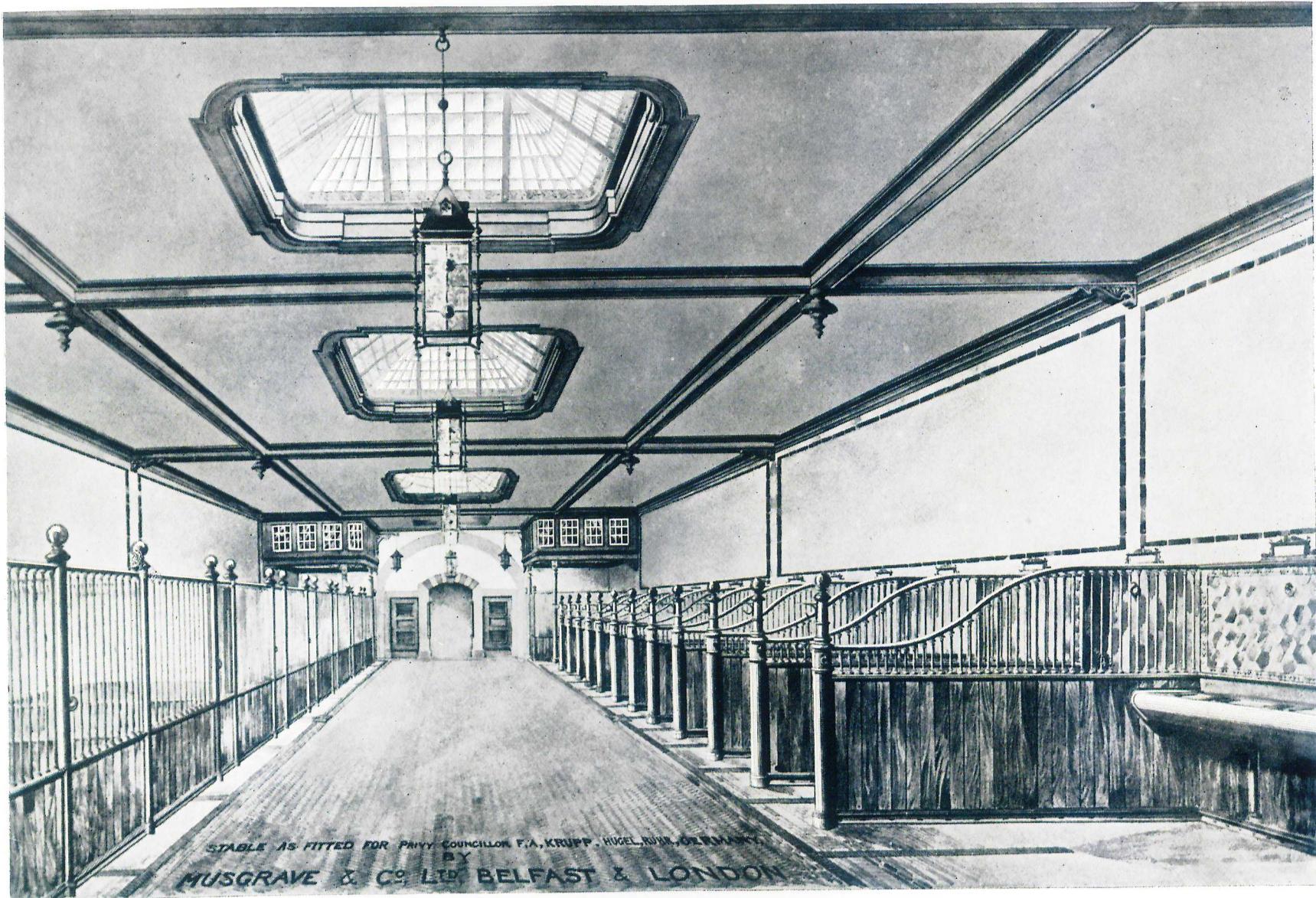
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



STABLE AS FITTED FOR PRIVY COUNCILLOR F. A. KRUPP, HUGEL RUHR, GERMANY

BY
MUSGRAVE & CO LTD BELFAST & LONDON

Design of Stables for His Excellency Privy Councillor F. A. Krupp, ESSEN.

The work was executed with Stalls and Boxes on both sides of gangway.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.

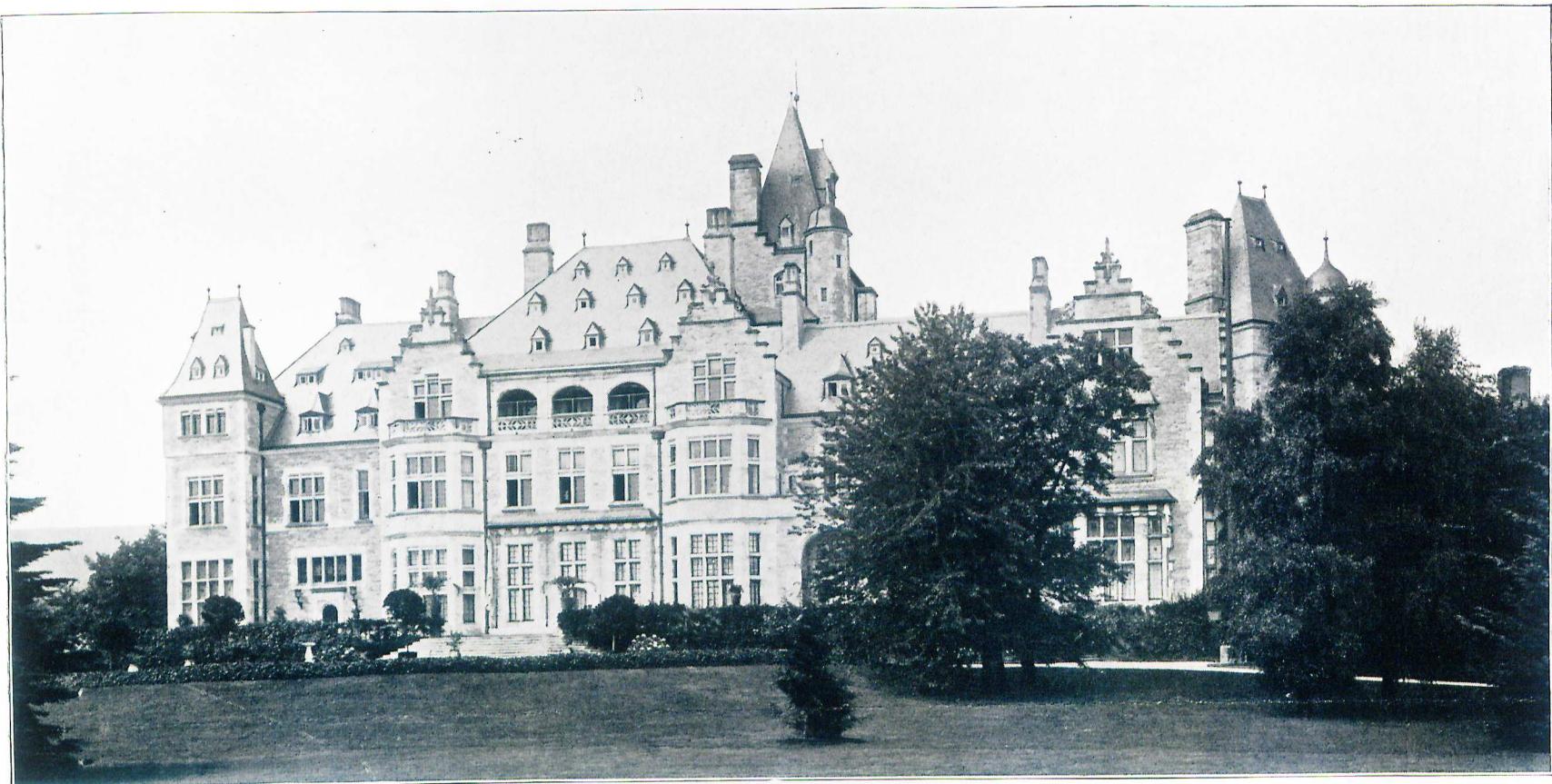


Stable Yard of His Excellency Privy Councillor F. A. Krupp, ESSEN.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.



Friedrichshof, Cronberg, the Residence of H.I.M. the Empress Frederick.



Stable Yard, Friedrichshof.

Manchester.

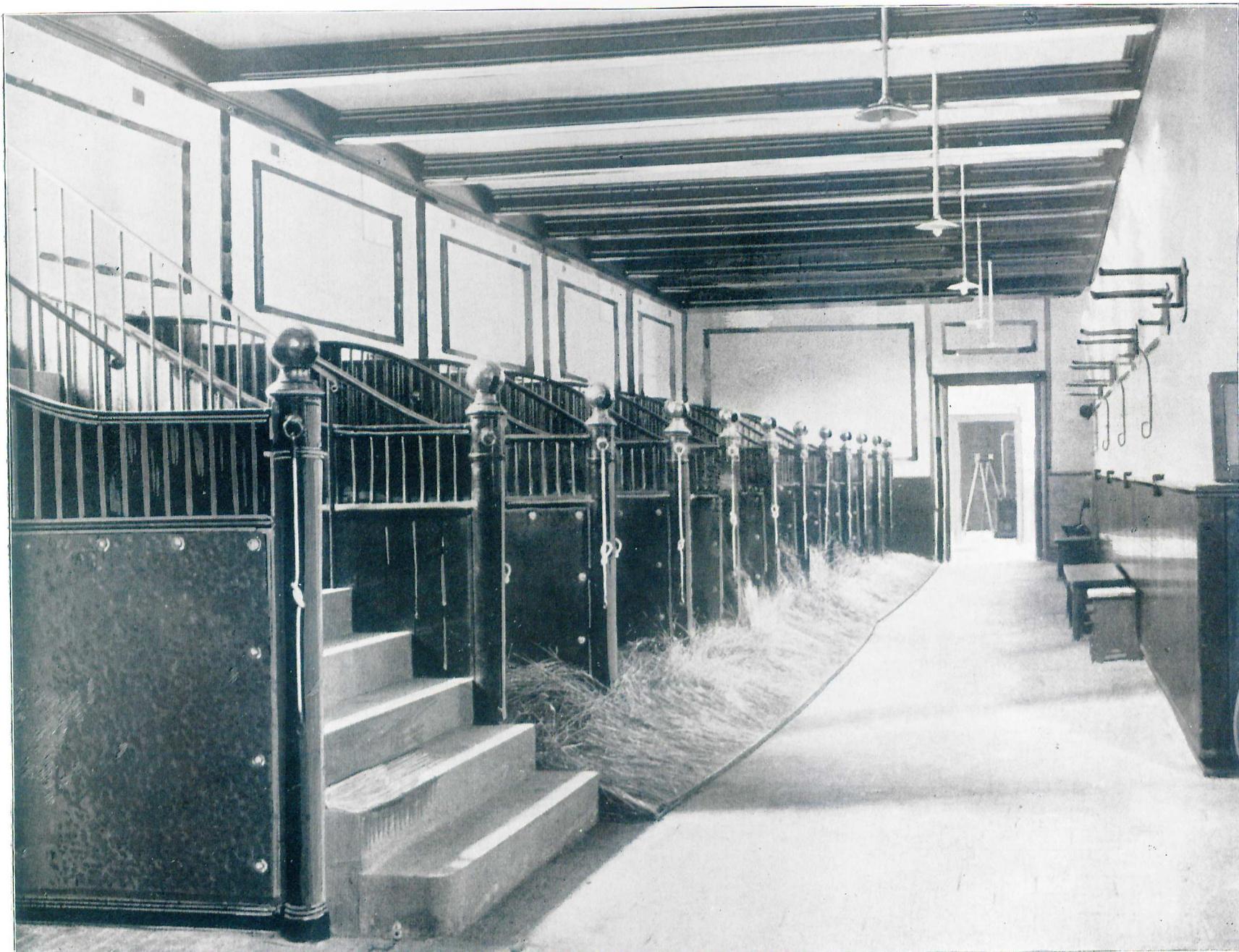
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



One of the Stables at Friedrichshof, for H.I.M. the Empress Frederick of Germany.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.



Interior of Stable Yard: Sir David L. Salomons, Bart., Broomhill, Tunbridge Wells.



General View of Stable Yard, Broomhill, Tunbridge Wells.

Manchester.

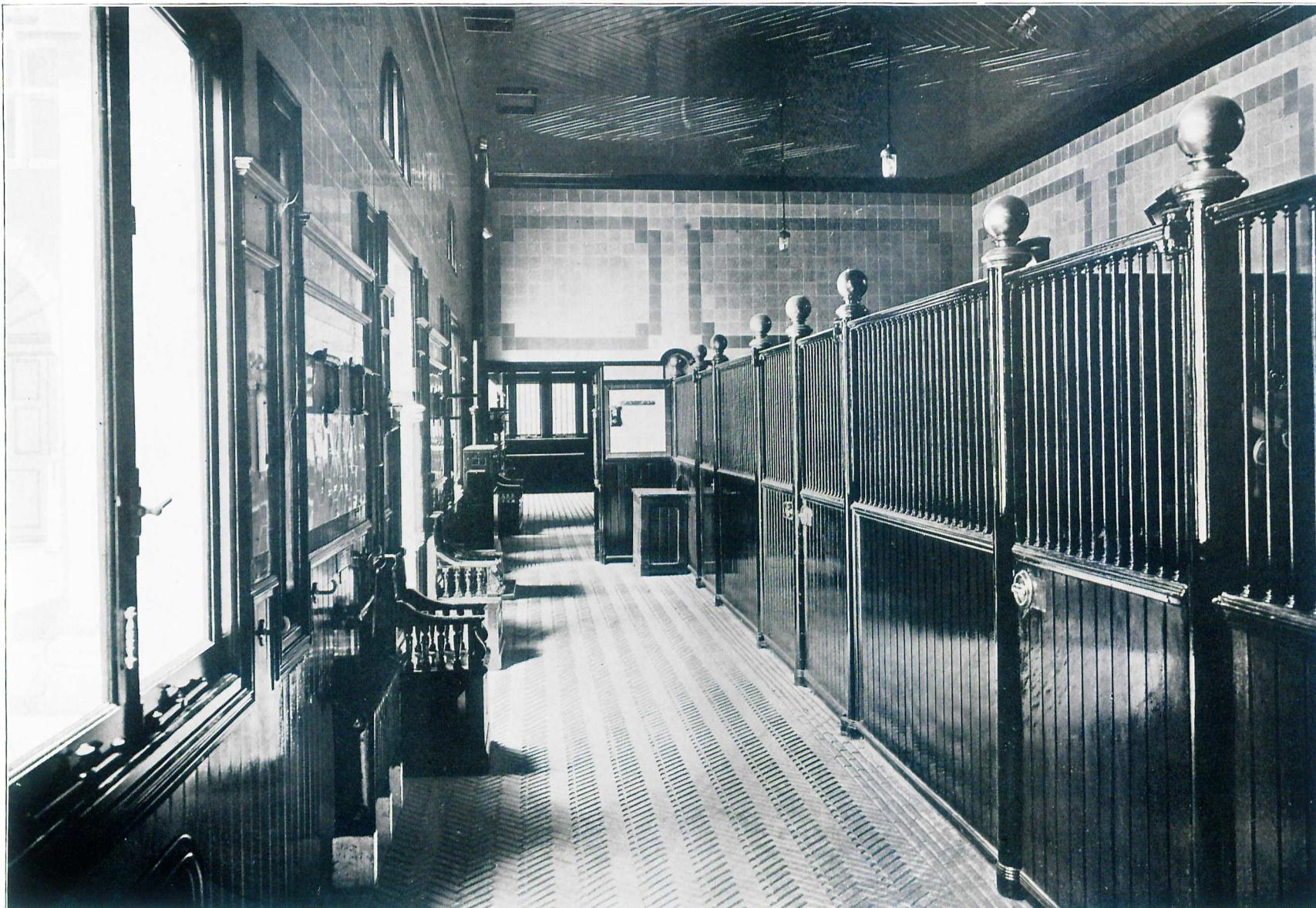
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.

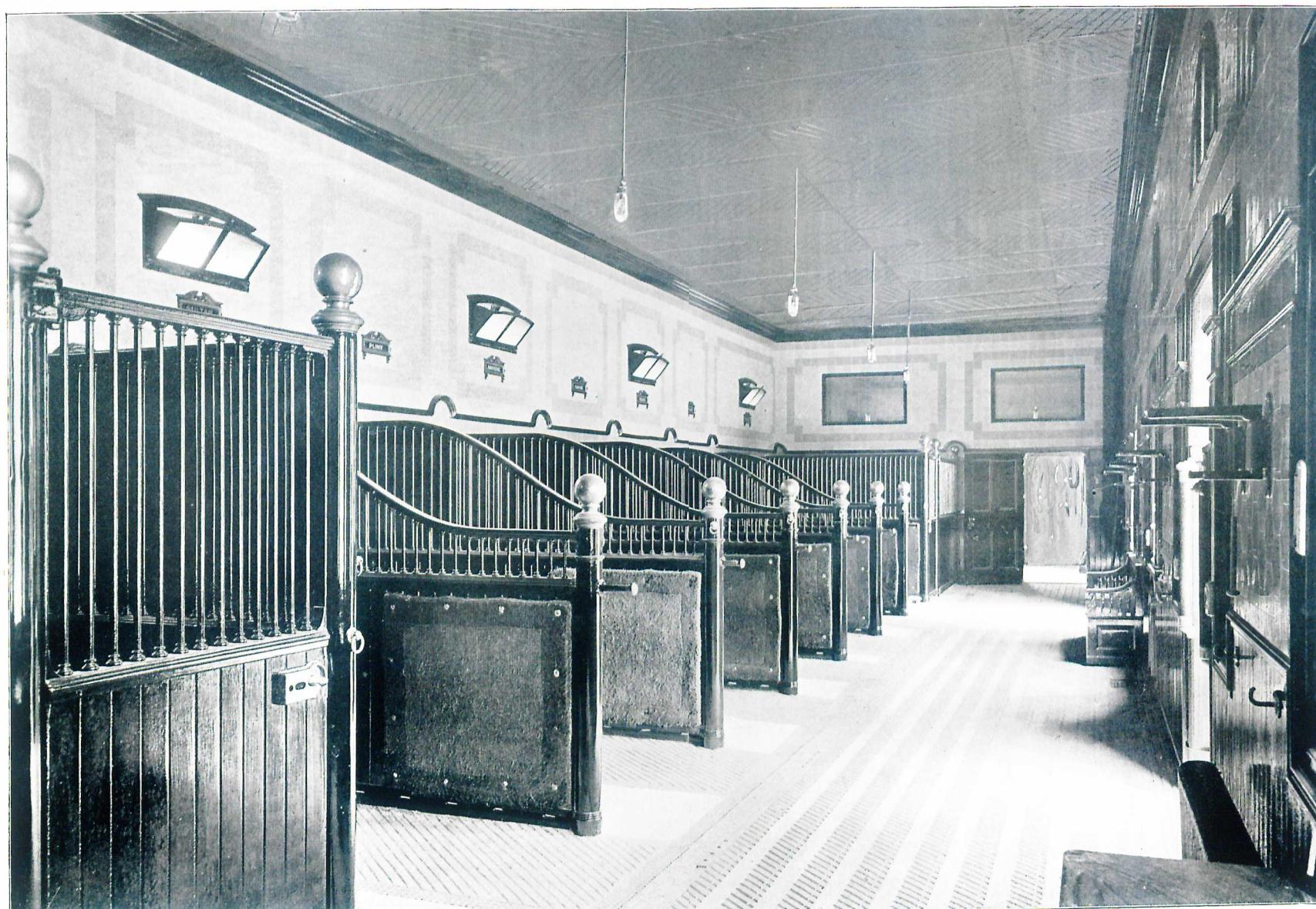


Loose Box Stable, Broomhill, Tunbridge Wells, for Sir David L. Salomons, Bart.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Stall and Box Stable at Broomhill, Tunbridge Wells, for Sir David L. Salomons, Bart.

Manchester.

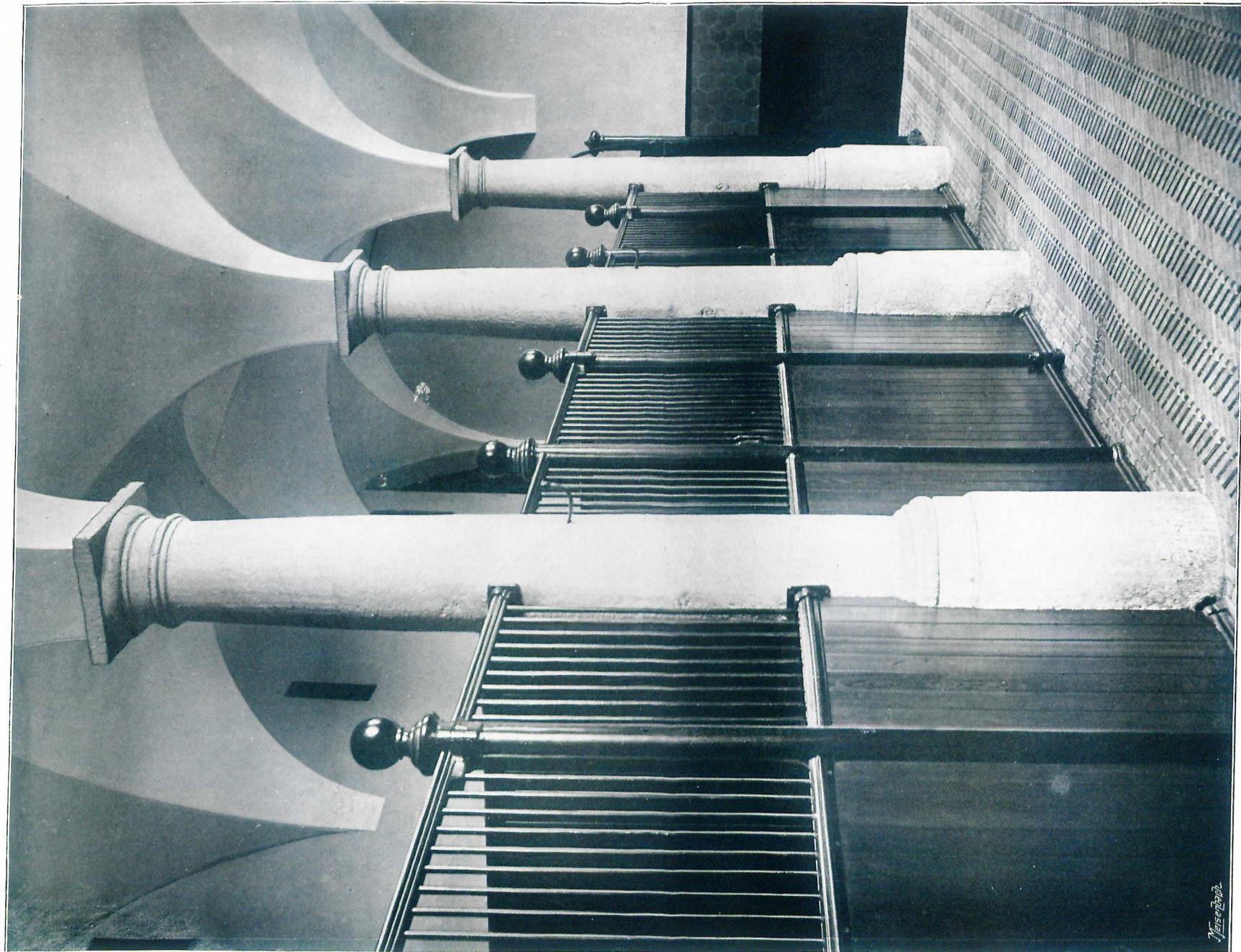
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Part of a Range of Loose Boxes, specially made to fit in with Stone Columns,
for His Grace the Duke of Leinster, Carton, MAYNOOTH.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.

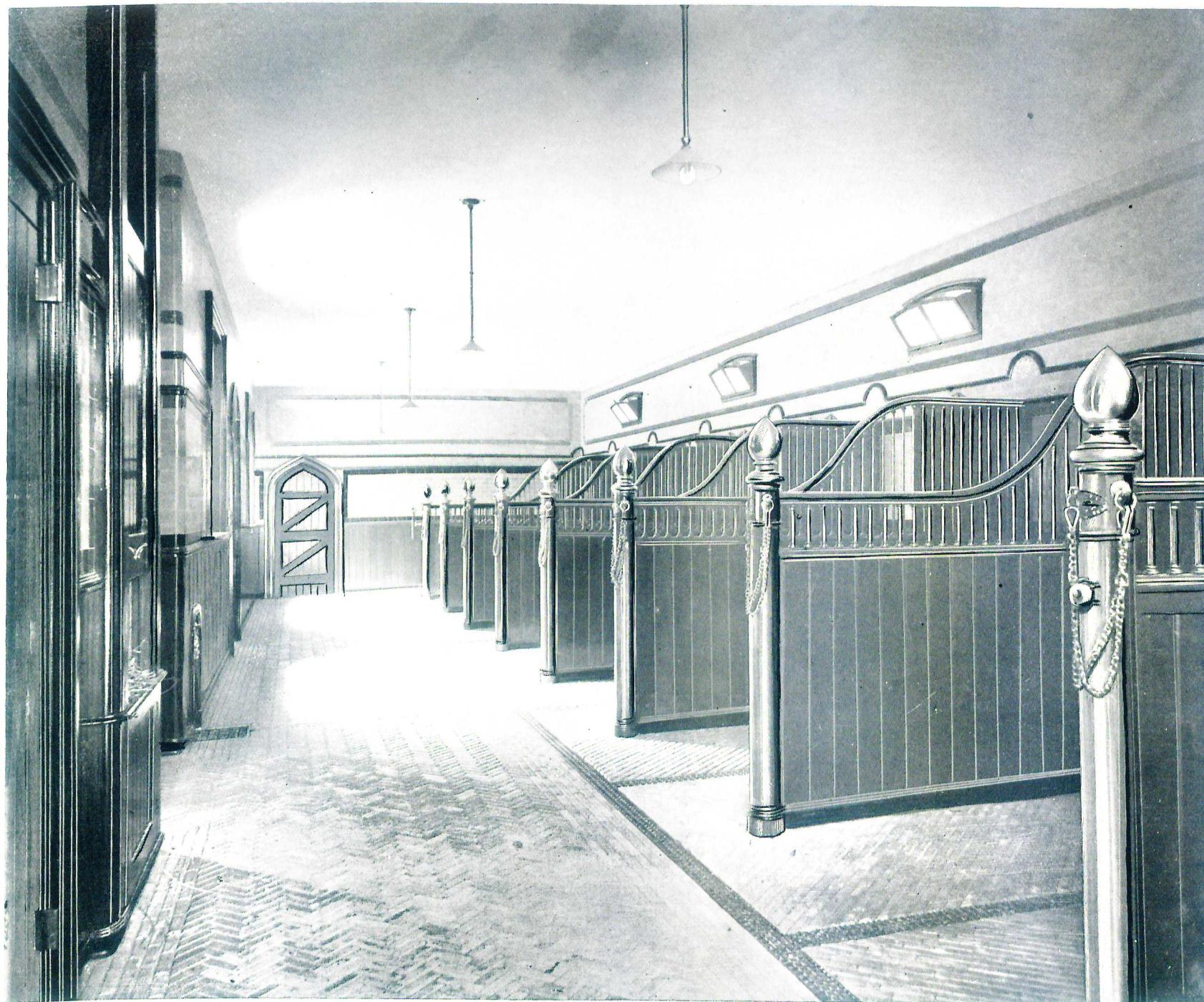


Part of a Range of Loose Boxes for John Musker, Esq., Shadwell Court, THETFORD.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.

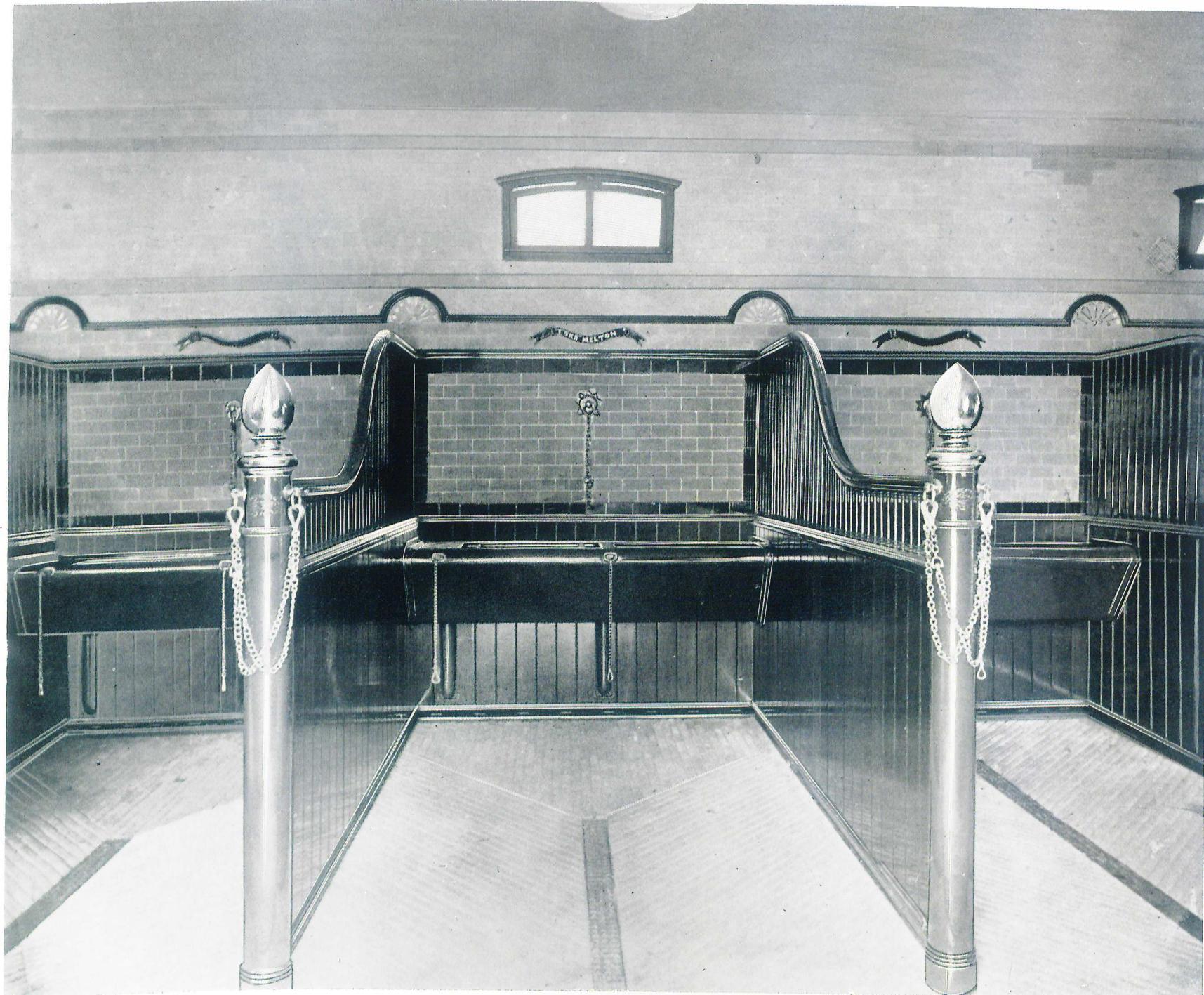


Stall Stable for John Musker, Esq.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.



Front View of Stalls for John Musker, Esq.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Part of Stall Stable lined with Marble for G. I. Marples, Esq., Thornbridge Hall, BAKEWELL.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Stall Stable for A. Nuttall, Esq., BLACKBURN.

Manchester.

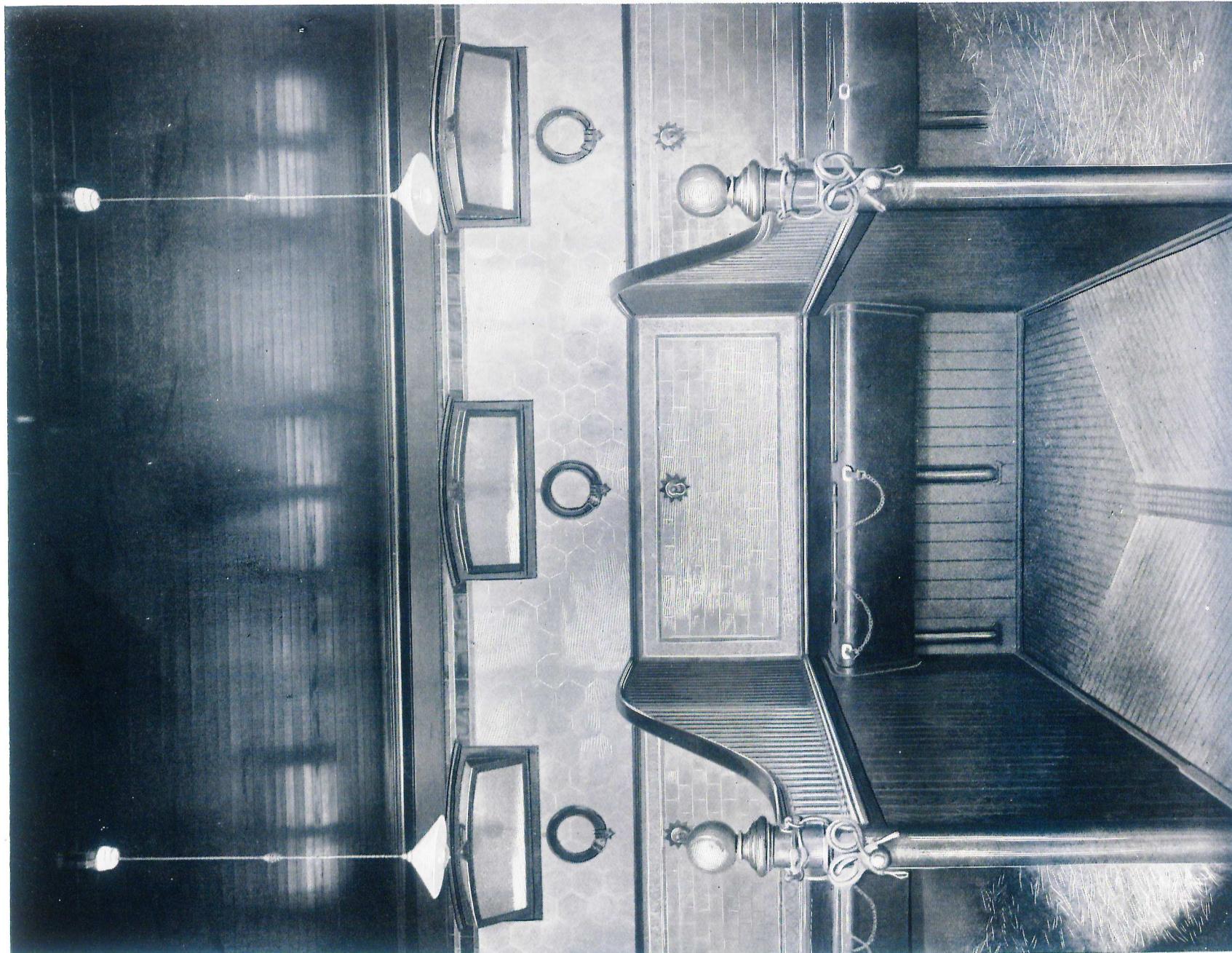
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Front View of Stall for A. Nuttall, Esq., BLACKBURN.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.

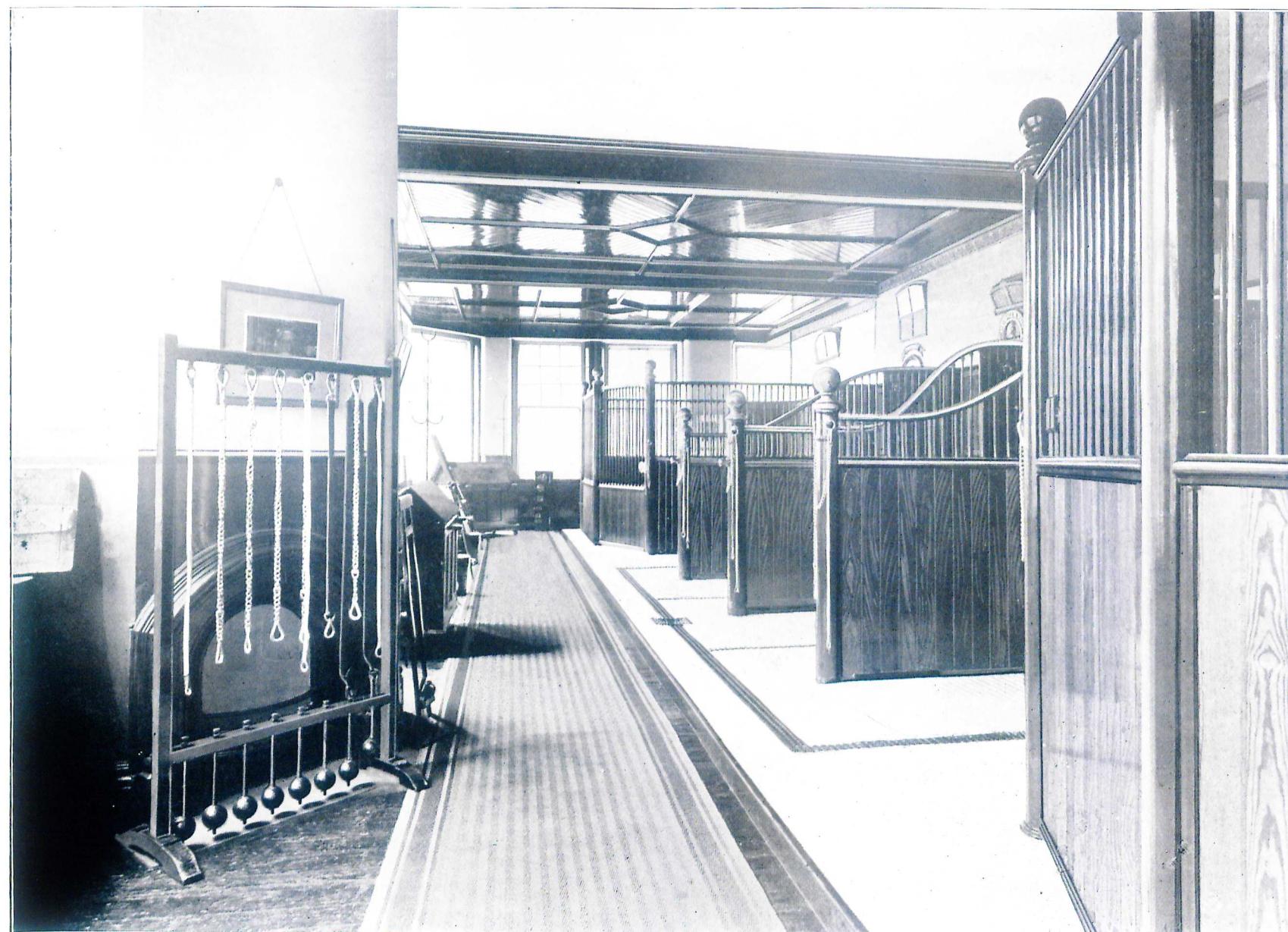


Part of Stable fitted for Philip Ziegler, Esq., MANCHESTER.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Part of one of Musgrave & Co.'s Show Rooms.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.

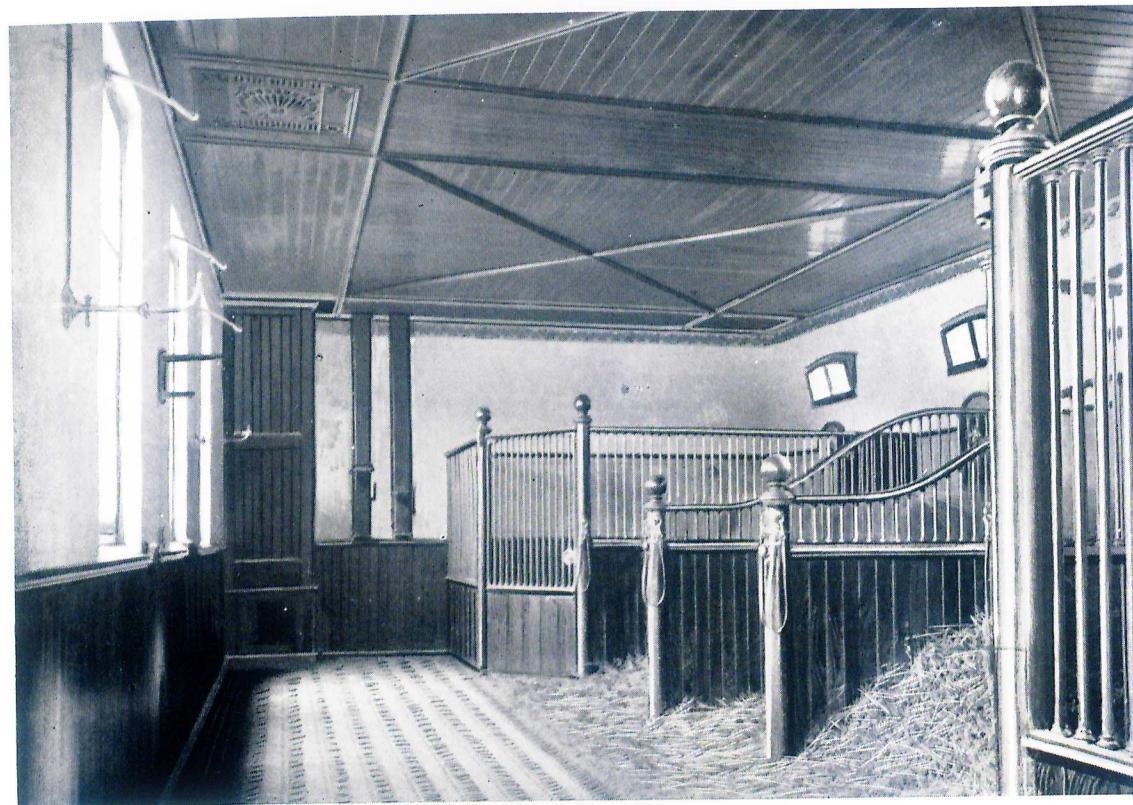


Part of Stables fitted for Wm. Younger, Esq., M.P., Auchen Castle, MOFFATT.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Loose Box and Stall Stable for Alfred Bell, Esq., STOCKPORT.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Part of the Stables fitted for Fitzroy C. Fletcher, Esq., Letham Grange, ARBROATH.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Stall Stable for the Bury Co-Operative Society.

Manchester.

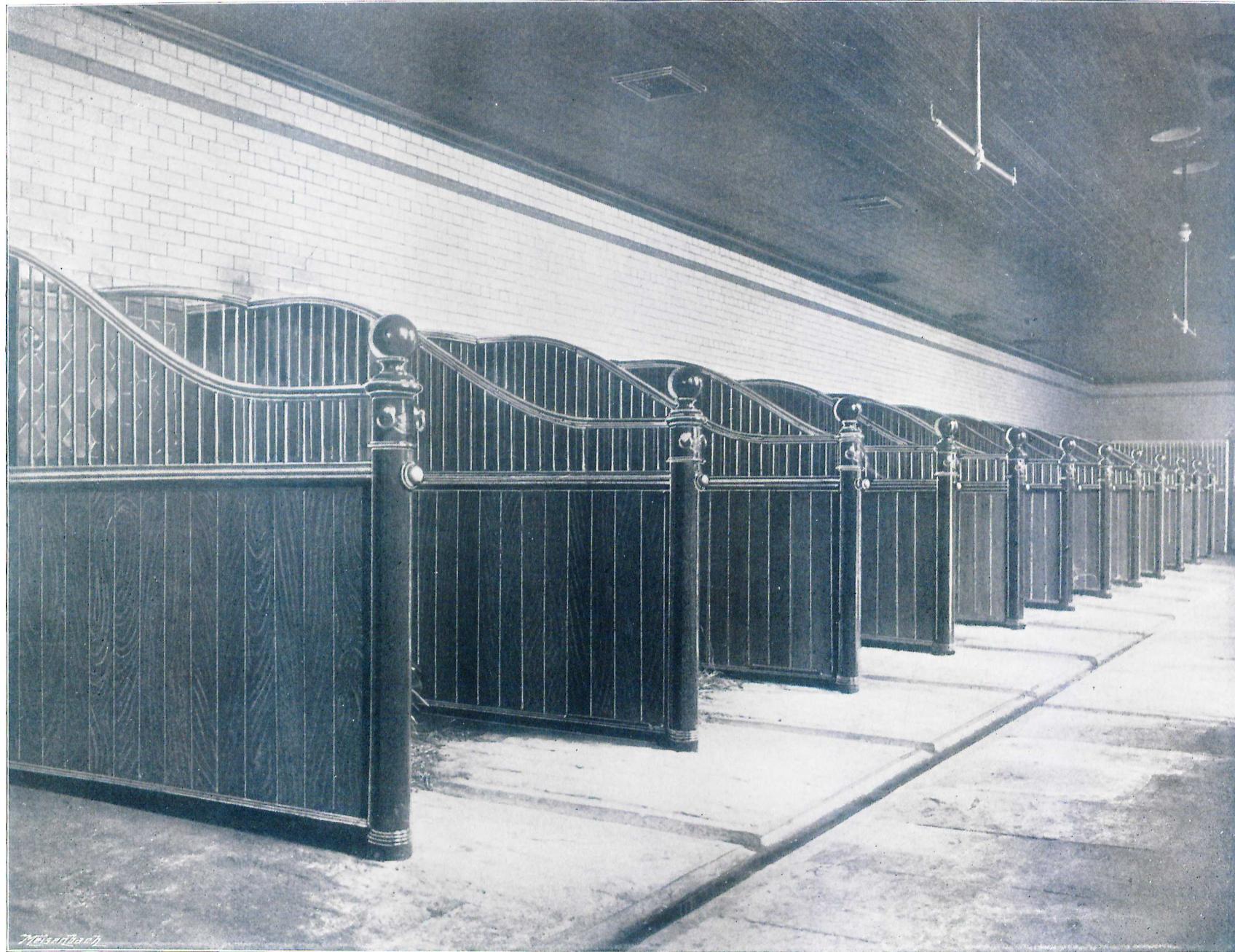
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Stall Stable for the Halifax Co-Operative Society.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Part of Stables for Halifax Co-Operative Society.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

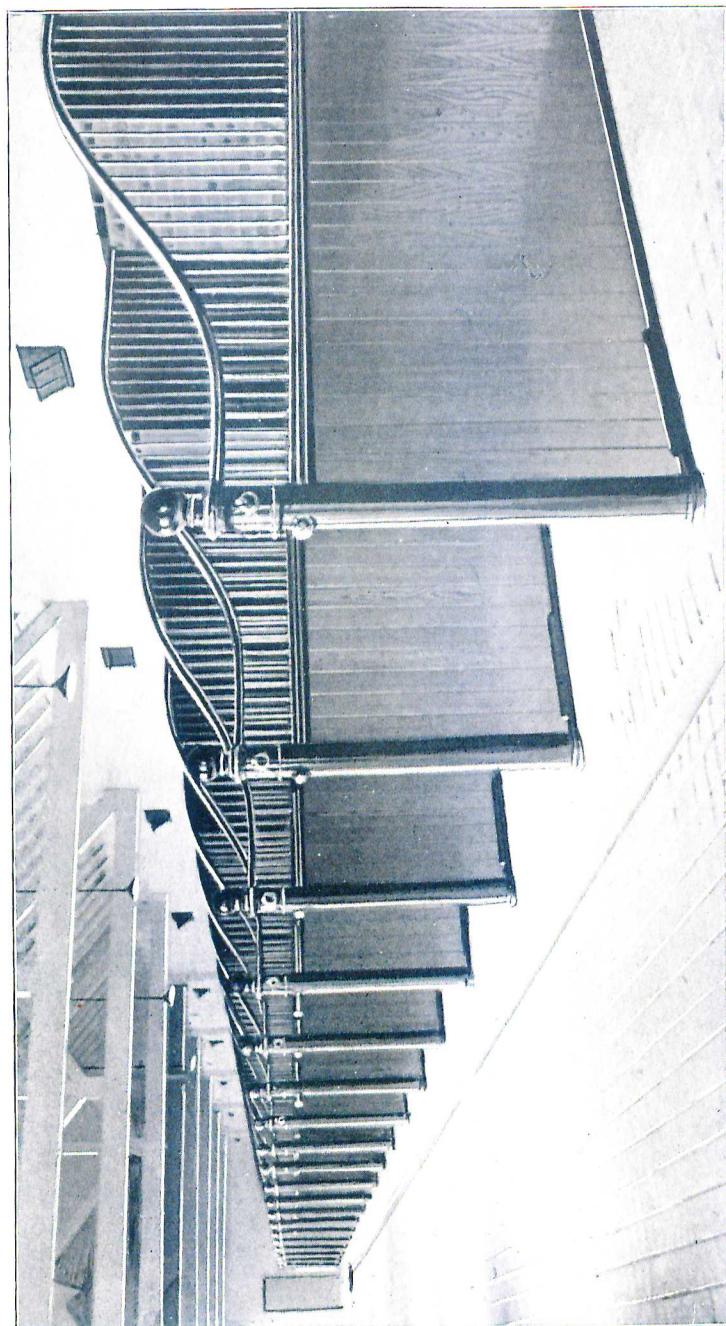
St. Ann's Iron Works, BELFAST.

London.

Paris.



Stables for M. B. Nairn, Esq., J.P., KIRKCALDY.



One of a large number of Stables fitted for "The Evening News,"
MANCHESTER.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.

Paris.



Washing Room in the Stables of His Excellency Privy Councillor F. A. Krupp, ESSEN.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Washing Box: Sir David L. Salomons, Bart., Broomhill, Tunbridge Wells.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Iron and Glass Roof over part of Stable Yard : Henry Bell, Esq., STOCKPORT.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Harness Room, with Polished Mahogany Panelling, and Bit Case in Statuary Bronze, for the late Baron Hirsch, PARIS.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Harness Room, with Fittings in Polished Teak, for His Excellency Privy Councillor F. A. Krupp, ESSEN.

Manchester.

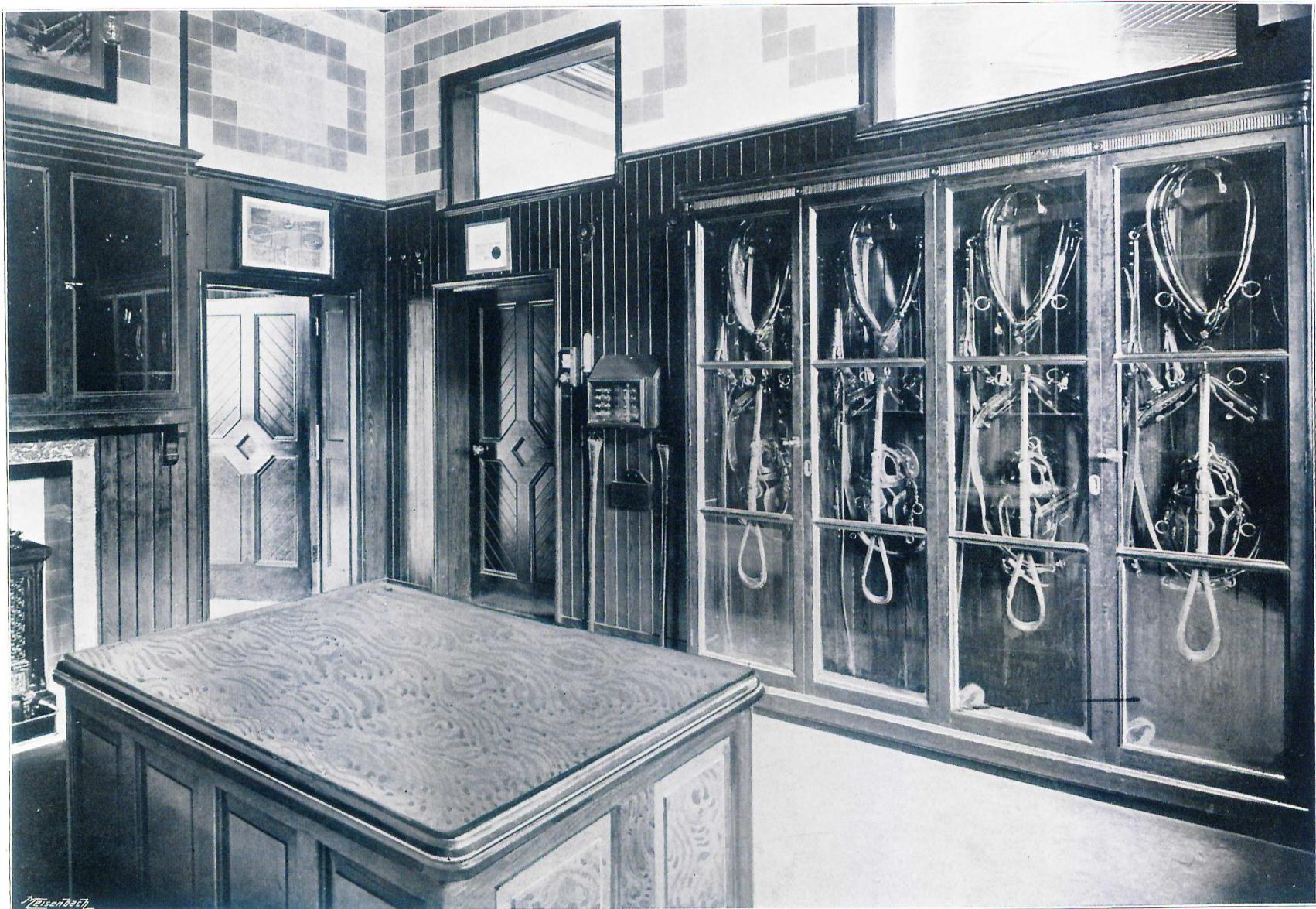
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Harness Room at Broomhill for Sir David L. Salomons, Bart.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Harness Room at Shadwell Court for John Musker, Esq.

Manchester.

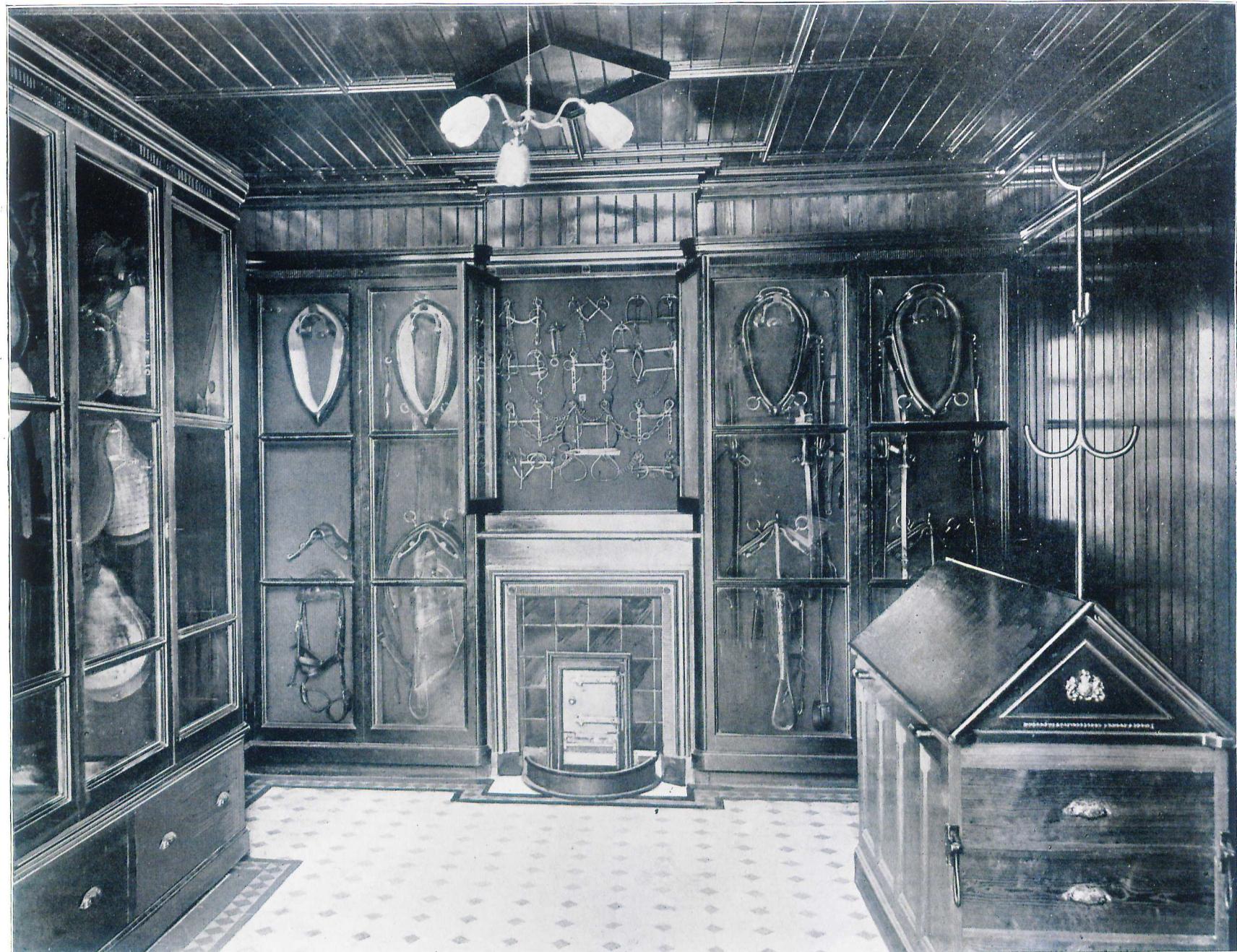
Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Harness Room for Major C. Drummond, Birk Lea, HARROGATE.

Manchester.

Birmingham.

MUSGRAVE & CO., LIMITED,

St. Ann's Iron Works, BELFAST.

London.

Paris.



Harness Room, Auchen Castle, for Wm. Younger, Esq., M.P.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Stable Door, with Roller Guards.

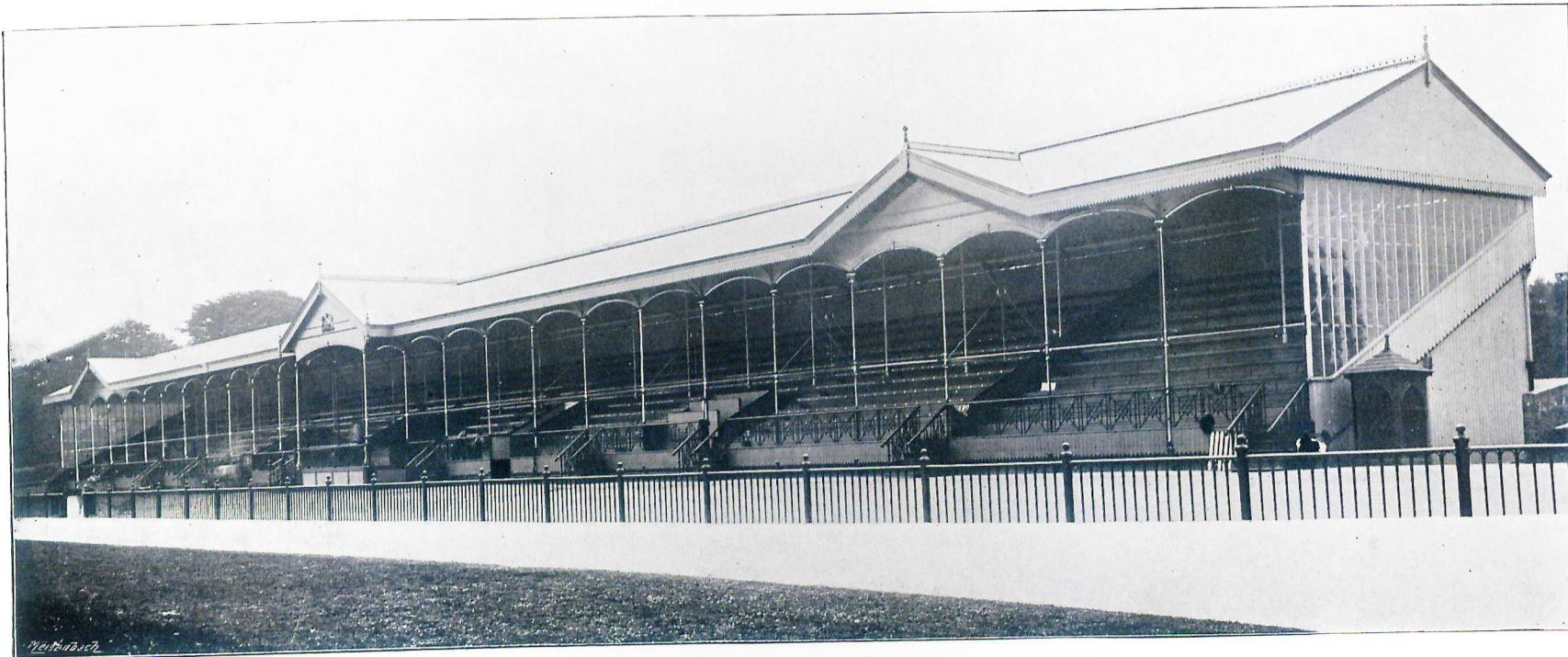


Part of Stable Gangway, showing Finish of Walls,
Water Niche, and Valve.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



Grand Stand, Royal Dublin Society's Grounds, Balls Bridge, DUBLIN.

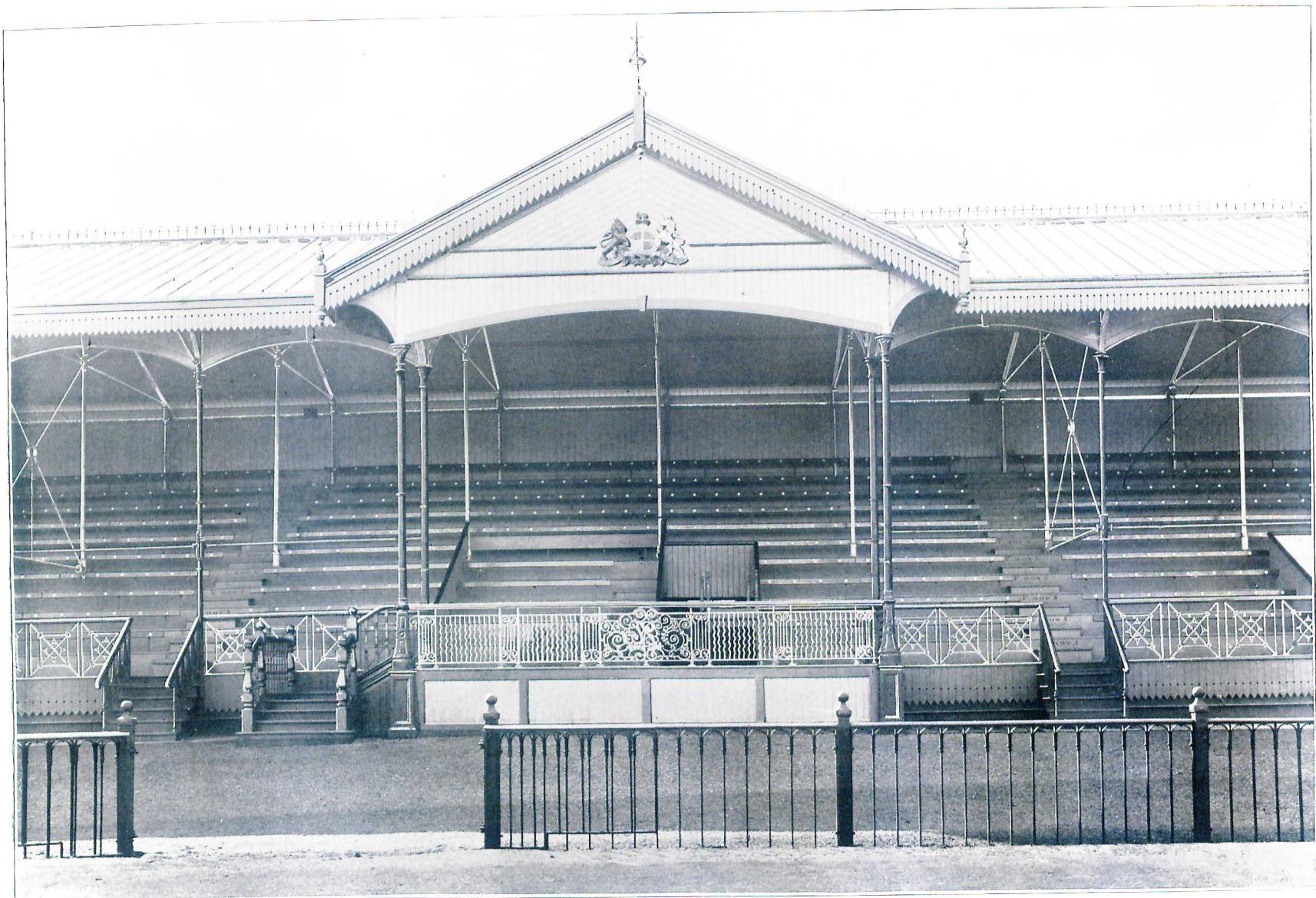
GRAND STANDS

For Cricket Grounds, Polo Clubs, Driving and Jumping Tracks, Race Courses, &c.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.

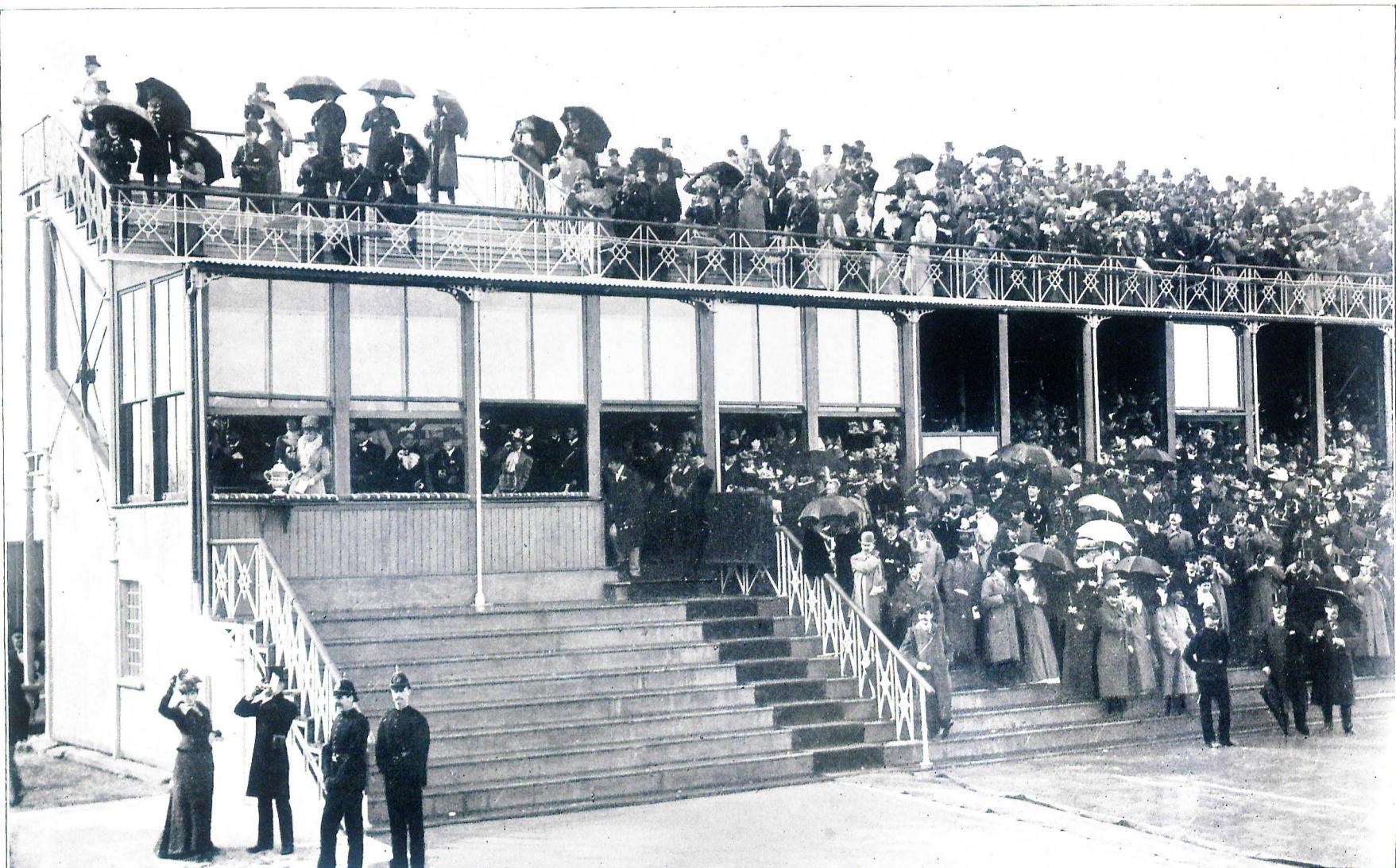


Viceregal Enclosure.
Grand Stand, Royal Dublin Society's Grounds, Balls Bridge, DUBLIN.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



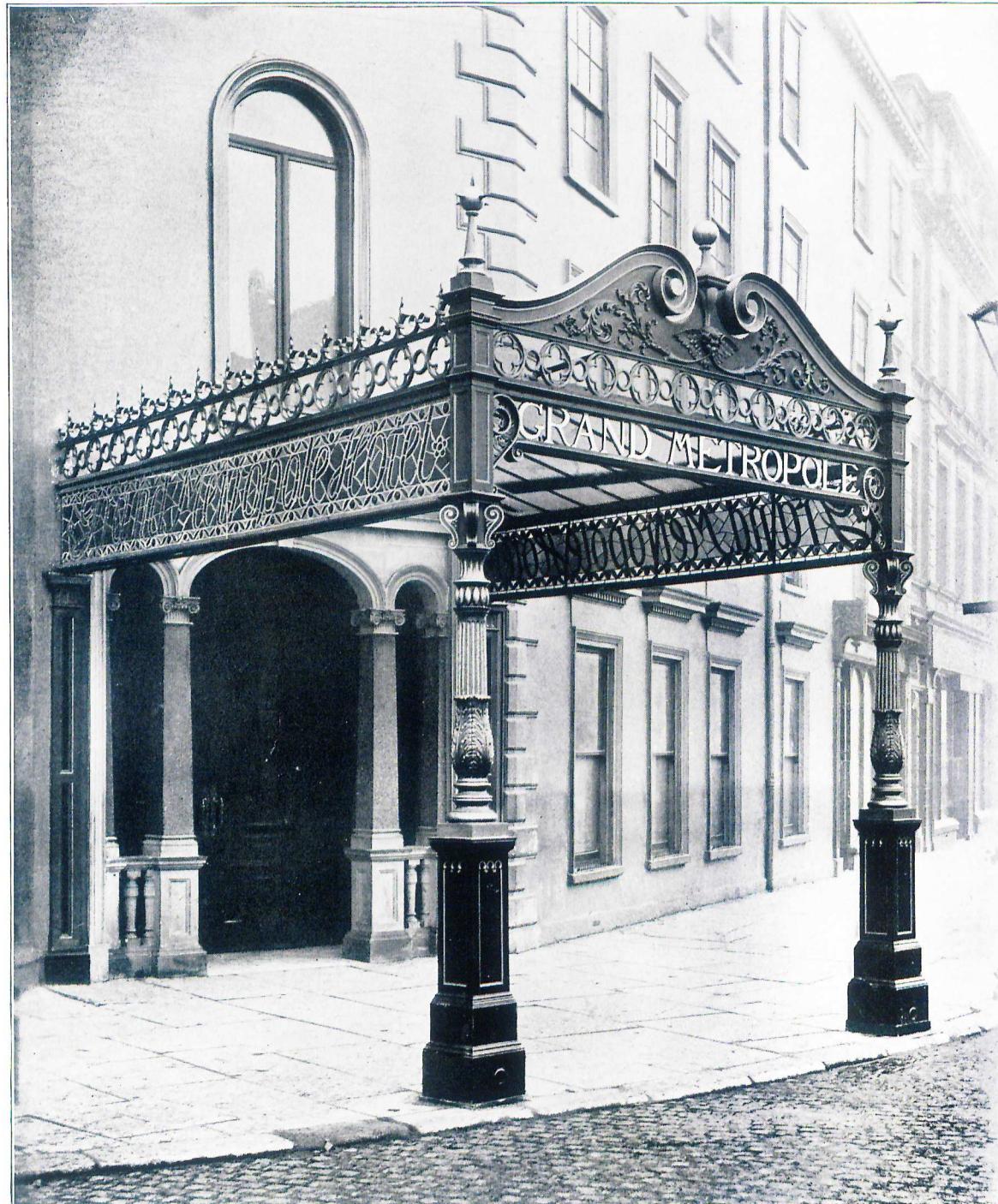
Part of Ladies' and Stewards' Stand, PUNCHESTOWN.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.

Porches.
Covered Ways.
Portes Cochères.
Verandahs.
Conservatories.



Special Designs
on application.

Architects' Designs
carefully executed.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.

Porches.
Covered Ways.
Portes Cochères.
Verandahs.
Conservatories.



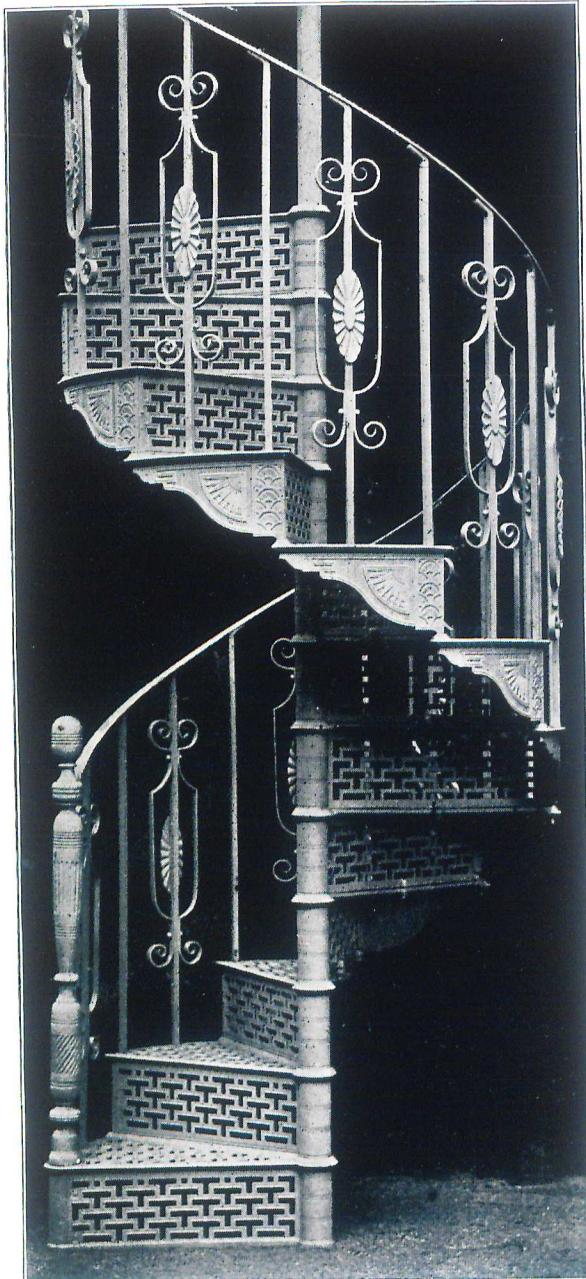
Special Designs
on application.

Architects' Designs
carefully executed.

Manchester.
Birmingham.

MUSGRAVE & CO., Limited, St. Ann's Iron Works, BELFAST.

London.
Paris.

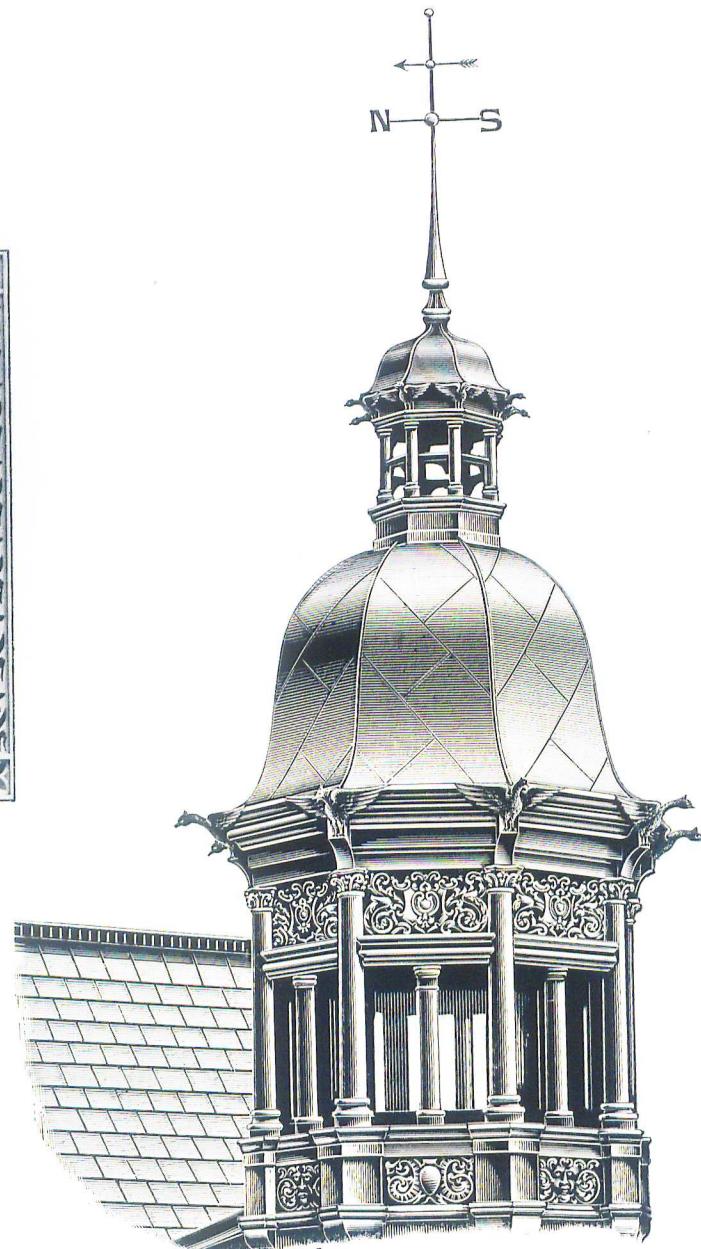
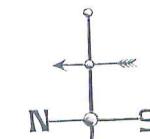


Spiral and Straight Stairs,
Emergency Exit Stairs, Landings, &c.

Wrought-Iron
Screens,



Art Metal Work,
Ventilating Grilles,
&c., &c.



Ventilating Turret on Cast-Iron Columns,
with Copper Sheathing, &c.

Manchester.
Birmingham.

MUSGRAVE & CO., LIMITED,
St. Ann's Iron Works, BELFAST.

London.
Paris.



IRON BUILDINGS.

PAVILIONS FOR

GOLF CLUBS.

POLO CLUBS.

CRICKET CLUBS.

FARM BUILDINGS.

STABLES.

HAY BARNS.

IRON CHURCHES.

MISSION HALLS.

ASSEMBLY ROOMS.

